



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

Store
D412-702-011
Job Sheet 168502



Part No: D412-702-011

Job Qty: 1 ea

Part Name: Shoulder Harness Loops Over Existing Lap Belts, 13 Man Configuration



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 11/15/17

Job Tracking No:

Due Date: 12/19/17

Created By: Mario Poulin

Type: SOLD

Description:

Customer: Southern California Edison Co (CSOUT02)

Accounts Payable Division, PO Box 700 Rosemead, CA, 91770 USA ph:(909) 974-4651

Note: DWG DSI9766 REV A, IIN-D412-702-1 REV A IPPRev:A 03.10.17 New issue KJ/RF IPP Rev:B IPP rev C 06.12.14 per ecn871 ec IPP Rev:D 07-03-14 As per DSI9351 JLM IPP Rev:E 07-07-28 As per Rev E JLM Verified By:ec IPP REV:F 17.03.13 AS PER DSI9766-011 DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	12/19/17	12/19/17	0.00	0.00	Start Up Stores/Pkg-2		
110	Packaging	1 pcs	12/19/17	12/19/17	0.00	0.00	Packaging1		
120	QC	1 pcs	12/19/17	12/19/17	0.00	0.00	QC4		
125	DC	1 pcs	12/19/17	12/19/17	0.00	0.00	DC		
130	Packaging	1 pcs	12/19/17	12/19/17	0.00	0.00	Packaging3		
140	QC21-FG	1 Ea	12/19/17	12/19/17	0.00	0.00	QC21		

Part Op 125 - Photocopy bluefile & type labels per PPPD412-702-011 CHG003

Descriptions: 130 - Identify and pack for shipping as per PPP D412-702-011 Location: F9029 PPP Rev: 21

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	AN4-13A 5019304	4 ✓	287	0	0
	AN4-20A 5019303	8 ✓	142	0	0
	AN4-5A 5019302	4 ✓	68	0	0
	D3195-041 162978x1	2 ✓	5	0	0
	D3195-043 1629944	2 ✓	7	0	0
	D3196-1 3019300	1 ✓	8	0	0
	D3196-3 F158475	1 ✓	9	0	0
	D3196-4 5019289	1 ✓	6	0	0
	D3197-041	2 ✓	4	0	0
	D3198-1 5003076	4 ✓	12	0	0
	D3215-041 5007136 (F)	18 ✓	7	0	0
	D3215-043	4 ✓	0	0	0
	D3268-1 5007538	2 ✓	9	0	0
	D3546-1 5019295	2 ✓	10	0	0
	D3551-11 5019294	13 ✓	41	0	0
	D412-702-069 5019293	1 ✓	2	0	0
	D5474-1 5019292	6 ✓	12	0	0
	D5475-1	1 ✓	2	0	0
	D5475-2	1 ✓	2	0	0
	MS21042L4 5019291	12 ✓	1,364	0	0
	MS24694-S152 5019290	8 ✓	55	0	0
	MS24694-S154 5019289	8 ✓	18	0	0

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> <td style="width:15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																		
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																		
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																		
Large Fab ☐	Composite ☐	Supplier ☐																			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval																	
Description		Disposition																			
Job No: 168502 Mfg Date: 12/20/17 Start up Operation D412-702-011 Shoulder Harness Loops Over Existing Lap Belts, 13 Man Configuration PART NO: Revision: Operation: Change No:		5025355 DART AEROSPACE																			
		Completed By																			
		Lead hand / Supervisor Approval Verification																			
		QC / QA Coordinator Approval																			
Root Cause <table style="width:100%; border: none;"> <tr> <td style="width:50%;"> Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ </td> <td style="width:50%;"> No Re- ☐ Opera ☐ Offse' ☐ Supp ☐ Train ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐ </td> </tr> </table>		Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re- ☐ Opera ☐ Offse' ☐ Supp ☐ Train ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	<table style="width:100%; border: none;"> <tr> <td style="width:50%;"> Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ </td> <td style="width:50%;"> Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ </td> </tr> </table>				Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐												
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OTHER : _____		oss/Surge ☐ ogram ☐ Stock Pulled ☐ Sequence ☐ t ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐		Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐																	

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 TEL: 1 613 632-5200
 Email: sales@dartaero.com
 www.dartaerospace.com

MS24694-S162 5019287 6 ✓
NAS1149D0463J 5019287 20 ✓

50	0	0
1,111	0	0

Part Specifications

Specifications could not be found.

Plex 11/15/17 3:19 PM dart.poulin.mario

DQA: _____

Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____

Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mis-labeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

6.0 PARTS LISTS

QTY -011	QTY -013	QTY -015	QTY -017	QTY -019	Part Number	Description
X					D412-702-011	Dart 13-Man Shoulder Harness Kit
	X				D412-702-013	Dart 5-Man Forward Facing Shoulder Harness Kit
		X			D412-702-015	Dart 4-Man Aft Facing Shoulder Harness Kit
			X		D412-702-017	Dart 4-Man Side Facing Shoulder Harness Kit
				X	D412-702-019	Dart 1-Man Forward Facing Shoulder Harness Kit
1	1		1	1	D412-702-069	GROMMET KIT
2	2				D3195-041	BRACKET
2	2				D3195-043	BRACKET
1	1			1	D3196-1	BAR
1			1		D3196-3	BAR
1			1		D3196-4	BAR
2	2				D3197-041	BAR
4		4			D3198-1	FITTING
18	10		8	2	D3215-041	HARNESS ASSEMBLY
4		4			D3215-043	HARNESS ASSEMBLY
2	2				D3268-1	PLACARD
13	5	4	4	2	D3551-11	HOOK AND LOOP TIE
2	2				D3546-1	CLIP
4		4			AN4-5A	BOLT
4	4				AN4-13A	BOLT
8		8			AN4-20A	BOLT
20		20			AN960JD416	WASHER (OR NAS1149D0463J)
12		12			MS21042L4	NUT (OR MS21042-4)
8	2		6	2	MS24694-S152	SCREW
8	2		6	2	MS24694-S154	SCREW

Change Record

PAGE 1 OF 1

Part Number: D412-702-011

Description: 13-MAN SHOULDER HARNESS

[illegible]